

On page 2, lines 4-5, please delete "1992; Radomski et al., 1987" and insert in place thereof ~~/(1992) *Circulation* 85:2284-90; Radomski et al., (1987) *Br. J. Pharmacol.* 92:181-7--.~~

A2 On page 2, line 6, please delete "1993" and insert in place thereof --(1993) *Biochem. Biophys. Res. Comm.* 192:1198-1203--.

On page 2, lines 6-7, please delete "1993" and insert in place thereof ~~/(1993) *Circulation* 88:2337-50--.~~

A3 On page 2, line 8, please delete "Reviewed by Loscalzo, 1996" and insert in place thereof --Loscalzo, (1996) *Clin. Appl. Thromb. Hemostas.* 2:7-10--.

A4 On page 2, line 15, please delete "1996" and insert in place thereof ~~/(1996) *Proc. Natl. Acad. Sci. USA* 93:1480-5--.~~

A5 On page 2, line 17, "1989" and insert in place thereof ~~/(1989) *J. Clin. Invest.* 83:1774-7--.~~

A6 On page 2, line 20, please delete "1991; Kwon et al., 1991" and insert in place thereof --(1991) *Biochem. Biophys. Res. Comm.* 179:442-8; Kwon et al., (1991) *J. Exp. Med.* 174:761-7--.

A7 On page 2, line 21, please delete "1989" and insert in place thereof ~~/(1989) *J. Exp. Med.* 169:1543-55--.~~

A8 On page 2, lines 25-26, please delete "1993; Lefer et al., 1993; DeMeyer et al., 1995" and insert in place thereof ~~/(1993) *Thromb. Haem.* 70:654-8; Lefer et al., (1993) *Circulation* 88:2337-50; DeMeyer et al., (1995) *J. Cardiovasc. Pharmacol.* 26:272-9--.~~

A9

On page 2, line 26, please delete "1981" and insert in place thereof ~~---~~(1981) *J.*

*ACD* *Pharmacol. Exp. Ther.* 218:739-49--.

On page 2, lines 27-28, please delete "1993; Diodati et al., 1993; Maragos et al., 1993"  
and insert in place thereof ~~---~~(1993) *Thromb. Haem.* 70:654-8; Diodati et al. (1993) *J.*

*AI* *Cardiovasc. Pharmacol.* 22:287-92; Maragos et al., (1993) *Cancer Res.* 53:564-8--.

On page 3, line 2, please delete "1992" and insert in place thereof ~~---~~(1992) *J. Clin. Invest.*

*AR* 90:1168-72--.

On page 3, line 4, after "(1996)", please insert ~~---~~*J. Med. Chem.* 39:1148-56--.

*AB*

On page 3, line 31, please delete "compound" and insert in place thereof --compounds--.

On page 4, lines 2-3, please delete "NO, most preferably photopolymerizable  
biodegradable hydrogels capable of releasing".

On page 4, line 10, please delete "preferably" and insert in place thereof --may--.

On page 4, line 20, please delete "**Invention**" and insert in place thereof --**Drawings**--.

Please delete "CYSNO" and insert in place thereof --Cys-NO-- in the following  
locations:

page 4, line 22;

page 5, lines 2, 15, and 19;

page 19, lines 12 and 27;

page 22, line 20;

page 23, line 25;

page 24, lines 12, 15, and 28;

page 25, lines 4 and 11.

On page 4, line 32, please delete "days" and insert in place thereof --hours--.

On page 5, line 4, please delete "Figure 7" and insert in place thereof --Figure 7A--.

On page 5, line 6, after "37° C.", please insert --Figure 7B is a graph showing the

temporal release (% of theoretical bFGF released per gram of gel over time in hours) from PVA-

NO-bFGF hydrogels at pH 7.4, 37 °C.--.

On page 5, line 20, please delete "%inhibition" and insert in place thereof --percent inhibition--.

On page 5, lines 23-27, please delete "Figure 12a is a graph showing the temporal release of NO, micromolar NO released/gram of gel over time in hours from PVA-NO-bFGF hydrogels at pH 7.4, 37°C. Figure 12b is a graph showing the temporal release (% of theoretical bFGF released per gram of gel over time in hours) from PVA-Cys-NO-bFGF hydrogels at pH 7.4, 37°C."

On page 5, line 32, please delete "adherent" and insert in place thereof --adherent--.

On page 6, line 20, before "water", please delete "a".

On page 6, line 32, please delete "heparan" and insert in place thereof --heparin--.

On page 7, line 4, please delete "polymer" and insert in place thereof --polymers--.

On page 7, line 4, please delete "including" and insert in place thereof --which include a--.

On page 7, line 5, after "tissue", please insert --adhesive--.

On page 8, line 29, please delete "is" and insert in place thereof --are--.

**PRELIMINARY AMENDMENT**

On page 9, line 22, after "polymerizable regions", please insert --can be--.

On page 10, line 8, please delete "are preferably" and insert in place thereof --may be--.

On page 11, line 10, please delete " $\text{RSO}_2\text{R}^1$ " and insert in place thereof -- $\text{RSO}_2\text{R}_1$ --.

On page 11, line 24, after "In", please delete "the" and insert in place thereof --a--.

On page 12, line 20, please delete "timeric" and insert in place thereof --dimeric--.

On page 12, line 30, please delete "5,508,317,5,665,840" and insert in place thereof --5,508,317, 5,665,840--.

On page 13, line 28, please delete "," after "nitrosylating".

On page 14, line 15, please delete "mri" and insert in place thereof --MRI--.

On page 15, lines 6-7, please delete "wounds, such as ulcers and burns. ...".

On page 17, line 9, after "which", please insert --an--.

On page 18, lines 25-26, please delete "1996", and insert in place thereof ~~/(1996) J.~~

A15 Med. Chem. 39:1148-56--.

On page 18, lines 26-27, please delete "1993" and insert in place thereof ~~/(1993) J.~~

A16 Pharmacol. Exp. Therap. 267:1529-37--.

On page 19, line 11, please delete "Cys" and insert in place thereof --Cys-NO--.

On page 19, line 11, after "Macromers", please insert --and Hydrogels--.

On page 19, line 26, please delete "1995" and insert in place thereof ~~/(1995)~~

A17 Bioconjugate Techniques, San Diego, CA Academic Press; 88-90--.

On page 20, line 2, please delete "1993" and insert in place thereof ~~/(1993) Macromol.~~

A18 26:581-7--.

On page 20, lines 2-3, please delete "Production of NO by the hydrogels was quantified using the Griess assay."

On page 20, line 4, please delete "Lys" and insert in place thereof **--Lys<sub>5</sub>-NO--**.

On page 20, line 4, after "**Macromers**", please insert **--and Hydrogels--**.

On page 20, line 14, after "**of**", please insert **--PEG--**.

On page 20, line 14, please delete "**-nucleophile complex hydrogels**" and insert in place thereof **--Macromers and Hydrogels--**.

On page 20, line 23, please delete "**hydrogels**" and insert in place thereof **--Macromers and Hydrogels--**.

On page 21, line 11, please delete "Irgacure" and insert in place thereof **--IRGACURE<sup>TM</sup>--**.

On page 21, line 15, please delete "**hydrogels**" and insert in place thereof **--Macromers and Hydrogels--**.

On page 21, line 29, please delete "**Release of bFGF from**" and insert in place thereof **--Synthesis of--**.

On page 21, line 29, please delete "**hydrogels**" and insert in place thereof **--Hydrogels--**.

On page 22, lines 3-4, please delete "Release of bFGF was quantified using the BCA assay (Pierce Chemicals), and NO release was assayed using the Griess reaction."

On page 22, line 5, please delete "**NO-release Rates**" and insert in place thereof **--NO Release--**.

On page 22, line 5, please delete "**acryloyl-PEG-Lys<sub>5</sub>-NO hydrogels**" and insert in place thereof **--Hydrogels--**.

On page 22, line 22, please delete "**NO-release Rates**" and insert in place thereof **--NO and bFGF Release--**.

On page 22, line 22, please delete "**hydrogels**" and insert in place thereof **--Hydrogels--**.

On page 22, line 23, after "hydrogels", please insert **--prepared as described in Example**

**A19** On page 22, line 24, please delete "Figure 7." and insert in place thereof **Figure 7A.**

**A20** Release of bFGF was quantified using that BCA assay (Pierce Chemicals) and is shown in Figure 7B.--

On page 22, lines 25-26, please delete "Figure 12a and 12b, respectively, show the temporal release of NO and a growth factor, bFGF, over time from PVA-NO-bFGF hydrogels."

On page 22, line 30, after "**Viability**", please insert **----**.

On page 23, line 24, please delete "acroyl-PEG-Lys-NO" insert in place thereof-- acroyl-PEG-Lys<sub>5</sub>-NO--.

On page 24, line 1, before "All", please delete ".".

On page 24, line 19, please delete "**5**" and insert in place thereof **--10--**.

On page 24, line 20, after "**in vitro**", please insert **----**.

#### **In the Claims**

**A21**  
**SUB**  
**CI**  
10. (Amended) The macromer composition of claim 1 further comprising therapeutic, prophylactic or diagnostic agents selected from the group consisting of proteins, carbohydrates,